

Title (en)
SUPERCHARGED INTERNAL COMBUSTION ENGINE

Title (de)
AUFGELADENER VERBRENNUNGSMOTOR

Title (fr)
MOTEUR A COMBUSTION INTERNE SURALIMENTE

Publication
EP 2129891 B1 20110720 (FR)

Application
EP 07871832 A 20071211

Priority
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Abstract (en)
[origin: FR2909718A1] The engine has an exhaust collector (22) whose outlet (20) is connected to an inlet of high pressure turbine (18) that drives a high-pressure compressor (12) supplying pressurized air to the engine. The collector has an outlet (34) equipped with a rotating shutter (36) operated in synchronism with a rotation of crankshaft of the engine for closing the outlet during the opening of exhaust orifices of cylinders (26) of the engine and for opening the outlet before closing the orifices. The collector is lower than the cylinder of the engine. An independent claim is also included for a method for controlling recycling rate of exhaust gas and combustion ratio in an engine.

IPC 8 full level
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